What is claimed is:

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apparatus which comprises a driving unit for driving a throttle valve provided along an induction system of an internal combustion engine installed in a vehicle, a biasing unit for holding the throttle valve at a predetermined hold opening while the throttle valve is not driven by the driving unit, an accelerator operation amount detecting unit for detecting an operation amount of an accelerator pedal of the vehicle and a throttle valve position detecting unit for detecting an opening of the throttle valve, the control system comprising:

opening for the throttle valve opening based on the same as a scelerator pedal operation amount;

a driving control unit for controlling the driving unit so that the throttle valve opening becomes the target opening;

an abnormality determining unit for determining an abnormality of the throttle valve driving apparatus;

a speed detecting unit for detecting a running speed of the vehicle; and

a limiting unit for limiting the opening of the throttle valve according to the running speed of the vehicle when the abnormality of the throttle valve driving

apparatus is determined by the abnormality determining unit.

- 2. A control system for a throttle valve driving
- apparatus as set forth in Claim 1, wherein the limiting unit limits the throttle valve opening to a predetermined idle opening which is smaller than the predetermined hold. opening, or less when a brake pedal of the vehicle is The fire operated and a section of the section of t

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A control system for a throttle valve driving apparatus as set forth in Claim 1, wherein the limiting unit sets an upper limit value of the throttle valve opening and an larger value as the running speed of the vehicle that the out 15 coincreases. The contract of the Arabic contracts

with a submitted Arcontrol system for a throttle valve driving and the control of apparatus as set forth in Claim 2, wherein the limiting unit sets an upper limit value of the throttle valve opening 20 at a larger value as the running speed of the vehicle increases.

A control method for a throttle valve driving apparatus which comprises a driving unit for driving a 25throttle valve provided along an induction system of an

internal combustion engine installed in a vehicle, a
biasing unit for holding the throttle valve at a
predetermined hold opening while the throttle valve is
not driven by the driving unit, an accelerator operation

5 amount detecting unit for detecting an operation amount
of an accelerator pedal of the vehicle and a throttle
valve position detecting unit for detecting an opening
of the throttle valve, the control method comprising:

setting a target opening for the throttles valvens asserting

opening based on the accelerator pedal operation amount;

derivative opening becomes the target opening;

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which would be a mining an abnormality of the throttle valve of th

detecting a running speed of the vehicle; and market and limiting the opening of the throttle valve according to the running speed of the vehicle when the abnormality of the throttle valve driving apparatus is determined.

20. A control method for a throttle valve driving apparatus as set forth in Claim 5, wherein the limiting step limits the throttle valve opening to a predetermined idle opening which is smaller than the predetermined hold opening, or less when a brake pedal of the vehicle is operated.

8. A control method for a throttle valve driving apparatus as set forth in Claim 6, wherein the limiting unit sets an upper limit value of the throttle valve opening at a larger value as the running speed of the vehicle increases.

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